PCCP

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
View Journal

Cite this: DOI: 10.1039/d6cp90081j

Correction: Probing the photoabsorption features and electronic excited states of propylene oxide: an experimental and theoretical study

Mónica Mendes,*[a] João Ameixa,[ab] Rodrigo Rodrigues,[a] Diogo Sequeira,[a] Nykola C. Jones,[c] Søren V. Hoffmann,[c] Alessandra Souza Barbosa*[d] and Filipe Ferreira da Silva[a]

DOI: 10.1039/d6cp90081j

rsc.li/pccp

Correction for 'Probing the photoabsorption features and electronic excited states of propylene oxide: an experimental and theoretical study' by Mónica Mendes *et al.*, *Phys. Chem. Chem. Phys.*, 2026, **28**, 7645–7654, https://doi.org/10.1039/D6CP00031B.

The authors wish to clarify and acknowledge the context of previously published work relevant to this study. In particular, the work by Garcia *et al.* (*Sci. Adv.*, 2022, **8**, eadd4614), cited in the original article, not only reports vacuum ultraviolet circular dichroism measurements of propylene oxide but also includes time-dependent density functional theory calculations of its electronic excited states, in particular vertical excitation energies and rotatory strengths.

The present work focuses on high-resolution VUV photoabsorption cross sections over an extended energy range and provides a more detailed characterization of the excited states based on TDDFT calculations, including excitation energies, oscillator strengths, and assignments derived from natural transition orbital (NTO) analysis. In addition, the evolution of the excited-state character along selected nuclear coordinates is explored, revealing Rydberg–valence mixing effects.

The authors acknowledge that the relationship between these studies could have been more clearly stated in the original manuscript and regret any lack of clarity in this regard.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

[a] *CEFITEC, Departamento de Física, NOVA School of Science and Technology, Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal. E-mail: mf.mendes@fct.unl.pt*
[b] *Portuguese Navy Research Center (CINAV), Portuguese Naval Academy (Escola Naval), Almada, 2810-001, Portugal*
[c] *ISA, Department of Physics and Astronomy, Aarhus University, Ny Munkegade 120, 8000 Aarhus C, Denmark*
[d] *Departamento de Física, Universidade Federal do Paraná, Caixa Postal 19044, Curitiba 81531-980, PR, Brazil. E-mail: alessandra@fisica.ufpr.br*